Product Datasheet - Technical Specifications

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Chapter5 Specifications

5.1 Main technical parameters

IT8722 is double channels module which dynamically allocates power and the specification of each channel is the same.

Model		IT8722	
Rated value (0 40 ℃)	Input voltage	0~80V	
	Input current	0~20A	
	Input power	250W ***1**	
	Min operation voltage	0.15V/3A	1.0V/20A
CV mode	Range	0~18V	0~80V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~3A	0~20A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode *2	Range	0.05Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S ***3**	0.01%+0.0008S
CP mode *5	Range	250W ***4**	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode		CC Mode	
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS±100ppm	
	Rising/falling slope ***6**	0.0001~0.2A/uS	0.001~1.6A/uS
	Min Rising time ***7**	≒10uS	≒10uS
Measuring range			
Readback voltage	Range	0~18V	0~80V
	Resolution	0.1 mV	1 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~3A	0~20A
	Resolution	0. 01mA	0.1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	250W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			
OPP		≒250W	
OCP		≒3.3A	≒22A
OVP		≒82V	
OTP		≒85℃	
Specification			
Short-circuit	Current CC	≒3.3/3A	≒22/20A
	Voltage CV	0V	
	Resistance CR	≒50mΩ	

Input impedance	300KΩ
dimension W*H*D (mm)	82*183*573
weight	5KG

*1   Dynamically allocate power. The maximum power of single channel is 250W. The total power of both channels is less than or equal to 300W. The average power of each channel is 150W.

*2   The voltage/current input is no less than 10% FS (FS= Full Scale)

*3   The scope of read-back resistance is (1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08))

*4   Dynamically allocate power. The maximum power of single channel is 250W. The total power of both channels is less than or equal to 300W.

*5   The voltage/current input is no less than 10% FS

*6   Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current

*7   Minimum rise time: 10%-90% current rise time

IT8723 is double channels module which dynamically allocates power and the specification of each channel is the same.

Model		IT8723	
Rated value (0 40 ℃)	Input voltage	0~80V	
	Input current	0~45A	
	Input power	300W	
	Min operation voltage	0.14V at 4.5A	1.4V at 45A
CV mode	Range	0~18V	0~80V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~4.5A	0~45A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode *1	Range	0.05Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S *2	0.01%+0.0008S
CP mode *3	Input voltage	300W	
	Input current	10mW	
	Input power	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode	CC mode		
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS+100ppm	
	Rising/falling slope *4	0.0001~0.25A/uS	0.001~2.5A/uS
	Min Rising time *5	≒12uS	≒12uS
Measuring range			
Readback voltage	Range	0~18V	0~80V
	Resolution	0.1 mV	1 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~4.5A	0~45A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	300W	
	Resolution	10mV	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			
OPP		≒310W	

OCP	≒5A		≒50A
OVP	≒82V		
OTP	≒85℃		
Specification			
Short-circuit	Current CC	≒5/4.5A	≒50/45A
	Voltage CV	0V	
	Resistance CR	≒30mΩ	
dimension	82*183*573mm		
Weight	5KG		

*1 The voltage/current input is no less than 10% FS
*2 The scope of read-back resistance is:
  1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)
*3 The voltage/current input is no less than 10% FS
*4 Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5 Minimum rise time: 10%-90% current rise time

Model		IT8731	
Rated value (0 40 ℃)	Input voltage	0~80V	
	Input current	0~40A	
	Input power	200 W	
	Min operation voltage	0.12V at 4A	1.2V at 40A
CV mode	Range	0~18V	0~80V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~4A	0~40A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode *1	Range	0.05Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S *2	0.01%+0.0008S
CP mode *3	Range	200W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode		CC mode	
	T1 T2	20uS~3600S /Res:1u S	
	Accuracy	5uS+100ppm	
	Rising/falling slope *4	0.0001~0.2A/uS	0.001~2A/uS
	Min Rising time *5	≒15uS	≒15uS
Measuring range			
Readback voltage	Range	0~18V	0~80V
	Resolution	0.1 mV	1 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~4A	0~40A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	200W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			

OPP	≒210W	
OCP	≒4.4A	≒44A
OVP	≒82V	
OTP	≒85℃	

Specification			
Short-circuit	Current CC	≒4.4/4A	≒44/40A
	Voltage CV	0V	
	Resistance CR	≒30mΩ	
Input impedance	300KΩ		
dimension	82*183*573		
weight	5KG		
safety	CE		

*1   The voltage/current input is no less than 10% FS
*2   The scope of read-back resistance is:
   1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)
*3   The voltage/current input is no less than 10% FS
*4   Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5   Minimum rise time: 10%-90% current rise time

Model		IT8732	
Rated value (0 40 ℃)	Input voltage	0~80V	
	Input current	0~60A	
	Input power	400W	
	Min operation voltage	0.15V at 6A	1.5V at 60A
CV mode	Range	0~18V	0~80V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~6A	0~60A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode *1	Range	0.05Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S *2	0.01%+0.0008S
CP mode *3	Range	400W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode		CC mode	
	T1 T2	20uS~3600S /Res:1u S	
	Accuracy	5uS+100ppm	
	Rising/falling slope *4	0.0001~0.25A/uS	0.001~2.5A/uS
	Min Rising time *5	≒15uS	≒15uS
Measuring range			
Readback voltage	Range	0~18V	0~80V
	Resolution	0.1 mV	1 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~6A	0~60A
	Resolution	0.1mA	1mA

Readback power	Accuracy	±(0.05%+0.05%FS)		
	Range	400W		
	Resolution	10mW		
	Accuracy	±(0.2%+0.2%FS)		
Protection range				
OPP		≒400W		
OCP		≒6.6A		≒66A
OVP		≒82V		
OTP		≒85℃		
Specification				
Short-circuit	Current CC	≒6.6/6A		≒66/60A
	Voltage CV	0V		
	Resistance CR	≒25mΩ		
Input impedance		300KΩ		
dimension		82*183*573		
weight		5KG		
safety		CE		

*1 The voltage/current input is no less than 10% FS
*2 The scope of read-back resistance is:
  1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)
*3 The voltage/current input is no less than 10% FS
*4 Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5 Minimum rise time: 10%-90% current rise time

Model		**IT8733**	
Rated value (0 40 ℃)	Input voltage	0~80V	
	Input current	0~120A	
	Input power	600W	
	Min operation voltage	0.24V at 12A	2.4V at 120A
CV mode	Range	0~18V	0~80V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~12A	0~120A
	Resolution	1mA	10mA
	Accuracy	±(0.05%+0.05%FS)	±(0.1%+0.05%FS)
CR mode *1	Range	0.2Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S *2	0.01%+0.0008S
CP mode *3	Input voltage	600W	
	Input current	10mW	
	Input power	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode		CC mode	
	T1 T2	20uS~3600S /Res:1u S	
	Accuracy	5uS+100ppm	
	Rising/falling slope *4	0.0001~0.25A/uS	0.001~2.5A/uS
	Min Rising time *5	≒35uS	≒35uS
Measuring range			

	Range	0~18V	0~80V
Readback voltage	Resolution	0.1 mV	1 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~12A	0~120A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	600W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			
OPP	≒600W		
OCP	≒13.2A		≒132A
OVP	≒82V		
OTP	≒85℃		
Specification			
Short-circuit	Current CC	≒13.2/12A	≒132/120A
	Voltage CV	0V	
	Resistance CR	≒15mΩ	
Input impedance	≒300KΩ		
dimension	82*183*573mm		
weight	5KG		
safety	CE		

*1   The voltage/current input is no less than 10% FS
*2   The scope of read-back resistance is:
    1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)
*3   The voltage/current input is no less than 10% FS
*4   Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5   Minimum rise time: 10%-90% current rise time

IT8722B is double channels module which dynamically allocates power and the specification of each channel is the same.

Model		**IT8722B**	
Rated value (0 40 ℃)	Input voltage	0~500V	
	Input current	0~15A	
	Input power	250W *1	
	Min operation voltage	0.8V/3A	4.0V/15A
CV mode	Range	0.1~50V	0.1~500V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CC mode	Range	0~3A	0~15A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode *2	Range	0.3Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S *3	0.01%+0.0008S
CP mode *5	Range	250W *4	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode		CC Mode	
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS±100ppm	

	Rising/falling slope *6	0.0001~0.1A/uS	0.001~0.5A/uS
	Min Rising time *7	≒20uS	≒20uS

Measuring range			
Readback voltage	Range	0~50V	0~500V
	Resolution	1 mV	10 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~3A	0~15A
	Resolution	0. 01mA	0.1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	250W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	

Protection range			
OPP	≒260W		
OCP	≒3.3A		≒16.5A
OVP	≒530V		
OTP	≒85℃		

Specification			
Short-circuit	Current　CC	≒3.3/3A	≒16.5/15A
	Voltage　CV	0V	
	Resistance CR	≒260mΩ	
Input impedance	≒1MΩ		
dimension W*H*D (mm)	82*183*573		
weight	5KG		

*1　Dynamically allocate power. The maximum power of single channel is 250W. The total power of both channels is less than or equal to 300W. The average power of each channel is 150W.
*2　The voltage/current input is no less than 10% FS (FS= Full Scale)
*3　The scope of read-back resistance is (1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08))
*4　Dynamically allocate power. The maximum power of single channel is 250W. The total power of both channels is less than or equal to 300W.
*5　The voltage/current input is no less than 10% FS
*6　Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*7　Minimum rise time: 10%-90% current rise time

Model		IT8732B	
Rated value (0　40 ℃)	Input voltage	0~500V	
	Input current	0~20A	
	Input power	300 W	
	Min operation voltage	0.72V at 3A	4.8V at 20A
CV mode	Range	0~18V	0~500V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.02%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~3A	0~20A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode *1	Range	0.25Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S　*2	0.01%+0.0008S
CP mode *3	Input voltage	300W	
	Input current	10mW	
	Input power	±(0.2%+0.2%FS)	
Dynamic mode			

Dynamic mode		CC mode	
	T1 T2	20uS~3600S /Res:1u S	
	Accuracy	5uS+100ppm	
	Rising/falling slope *4	0.0001~0.1A/uS	0.001~0.8A/uS
	Min Rising time *5	≒20uS	≒20uS
Measuring range			
Readback voltage	Range	0~18V	0~500V
	Resolution	1 mV	10 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~3A	0~20A
	Resolution	0.01mA	0.1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	300W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			
OPP		≒310W	
OCP		≒3.3A	≒22A
OVP		≒530V	
OTP		≒85℃	
Specification			
Short-circuit	Current CC	≒3.3/3A	≒22/20A
	Voltage CV	0V	
	Resistance CR	≒240mΩ	
Input impedance		≒1MΩ	
dimension		82*183*573mm	
weight		5KG	
safety		CE	

*1 The voltage/current input is no less than 10% FS
*2 The scope of read-back resistance is:
1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)
*3 The voltage/current input is no less than 10% FS
*4 Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5 Minimum rise time: 10%-90% current rise time

Model		IT8733B	
Rated value (0 40 ℃)	Input voltage	0~500V	
	Input current	0~30A	
	Input power	500 W	
	Min operation voltage	0.54V/3A	5.4V/30A
CV mode	Range	0~18V	0~500V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~3A	0~30A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode *1	Range	0.2Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S *2	0.01%+0.0008S
CP mode	Range	500W	

*3	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	

Dynamic mode			
Dynamic mode		CC mode	
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS+100ppm	
	Rising/falling slope *4	0.0001~0.08A/uS	0.001~0.8A/uS
	Min Rising time *5	≒25uS	≒25uS

Measuring range			
Readback voltage	Range	0~18V	0~500V
	Resolution	1 mV	10mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~3A	0~30A
	Resolution	0.01mA	0.1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	500W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	

Protection range			
OPP		≒510W	
OCP		≒3.3A	≒33A
OVP		≒530V	
OTP		≒85℃	

Specification			
Short-circuit	Current CC	≒3.3/3A	≒33/30A
	Voltage CV	0V	
	Resistance CR	180mΩ	
Input impedance		1MΩ	
dimension		82*183*573mm	
weight		5KG	
safety		CE	

*1 The voltage/current input is no less than 10% FS
*2 The scope of read-back resistance is:
   1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)
*3 The voltage/current input is no less than 10% FS
*4 Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5 Minimum rise time: 10%-90% current rise time

Model		**IT8722P**	
Rated value (0 40 ℃)	Input voltage	0~80V	
	Input current	0~20A	
	Input power	250W *1	
	Min operation voltage	0.15V/3A	1.0V/20A
CV mode	Range	0~18V	0~80V
	Resolution	1Mv	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~3A	0~20A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode	Range	0.05Ω~10Ω	10Ω~7.5KΩ

*2	Resolution	16bit	
	Accuracy	0.01%+0.08S *3	0.01%+0.0008S
CP mode *5	Range	250W *4	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode		CC mode	
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS±100ppm	
	Rising/falling slope *6	0.0001~0.2A/uS	0.001~1.6A/uS
	Min Rising time *7	≒10uS	≒10uS
Measuring range			
Readback voltage	Range	0~18V	0~80V
	Resolution	0.1 mV	1 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~3A	0~20A
	Resolution	0. 01mA	0.1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	250W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			
OPP		≒250W	
OCP		≒3.3A	≒22A
OVP		≒82V	
OTP		≒85℃	
Specification			
Short-circuit	Current CC	≒3.3/3A	≒22/20A
	Voltage CV	0V	
	Resistance CR	≒50mΩ	
Input impedance		300KΩ	
dimension		82*183*573	
weight		5KG	

*1   Dynamically allocate power. The maximum power of single channel is 250W. The total power of both channels is less than or equal to 300W. The average power of each channel is 150W.
*2   The voltage/current input is no less than 10% FS (FS= Full Scale)
*3   The scope of read-back resistance is (1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08))
*4   Dynamically allocate power. The maximum power of single channel is 250W. The total power of both channels is less than or equal to 300W.
*5   The voltage/current input is no less than 10% FS
*6   Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*7   Minimum rise time: 10%-90% current rise time

Model		IT8723P	
Rated value (0 40 ℃)	Input voltage	0~80V	
	Input current	0~45A	
	Input power	300W	
	Min operation voltage	0.14V/4.5A	1.4V/45A
CV mode	Range	0~18V	0~80V

	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~4.5A	0~45A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode ***1**	Range	0.05Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S ***2**	0.01%+0.0008S
CP mode ***3**	Range	300W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	

Dynamic mode			
Dynamic mode		CC mode	
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS±100ppm	
	Rising/falling slope ***4**	0.0001~0.25A/uS	0.001~2.5A/uS
	Min Rising time ***5**	≒12uS	≒12uS

Measuring range			
Readback voltage	Range	0~18V	0~80V
	Resolution	0.1 mV	1 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~4.5A	0~45A
	Resolution	0. 1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	300W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	

Protection range		
OPP	≒310W	
OCP	≒5A	≒50A
OVP	≒82V	
OTP	≒85℃	

Specification			
Short-circuit	Current CC	≒5/4.5A	≒50/45A
	Voltage CV	0V	
	Resistance CR	≒30mΩ	
Input impedance	300KΩ		
dimension	82*183*573		
weight	5KG		

*1   The voltage/current input is no less than 10% FS
*2   The scope of read-back resistance is:
   1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)
*3   The voltage/current input is no less than 10% FS
*4   Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5   Minimum rise time: 10%-90% current rise time

Model		IT8731P
Rated value **(0 40 ℃)**	Input voltage	0~80V
	Input current	0~40A
	Input power	200W

	Min operation voltage	0.12V/4A	1.2V/40A
CV mode	Range	0~18V	0~80V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~4A	0~40A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode *1	Range	0.05Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S *2	0.01%+0.0008S
CP mode *3	Range	200W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	

		Dynamic mode	
Dynamic mode		CC mode	
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS±100ppm	
	Rising/falling slope *4	0.0001~0.2A/uS	0.001~2A/uS
	Min Rising time *5	≒15uS	≒15uS

		Measuring range	
Readback voltage	Range	0~18V	0~80V
	Resolution	0.1 mV	1 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~4A	0~40A
	Resolution	0. 1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	200W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	

		Protection range	
OPP		≒210W	
OCP		≒4.4A	≒44A
OVP		≒82V	
OTP		≒85℃	

		Specification	
Short-circuit	Current CC	≒4.4/4A	≒44/40A
	Voltage CV	0V	
	Resistance CR	≒30mΩ	
Input impedance		300KΩ	
dimension		82*183*573	
weight		5KG	
safety		CE	

*1   The voltage/current input is no less than 10% FS
*2   The scope of read-back resistance is:
   1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)
*3   The voltage/current input is no less than 10% FS
*4   Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5   Minimum rise time: 10%-90% current rise time

Model		IT8732P	
Rated value **(0 40 ℃)**	Input voltage	0~80V	
	Input current	0~60A	
	Input power	400W	
	Min operation voltage	0.15V/6A	1.5V/60A
CV mode	Range	0~18V	0~80V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~6A	0~60A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode ***1**	Range	0.05Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S ***2**	0.01%+0.0008S
CP mode ***3**	Range	400W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode		CC mode	
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS±100ppm	
	Rising/falling slope ***4**	0.0001~0.25A/uS	0.001~2.5A/uS
	Min Rising time ***5**	≒15uS	≒15uS
Measuring range			
Readback voltage	Range	0~18V	0~80V
	Resolution	0.1 mV	1 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~6A	0~60A
	Resolution	0. 1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	400W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			
OPP		≒410W	
OCP		≒6.6A	≒66A
OVP		≒82V	
OTP		≒85℃	
Specification			
Short-circuit	Current CC	≒6.6/6A	≒66/60A
	Voltage CV	0V	
	Resistance CR	≒25mΩ	
Input impedance		300KΩ	
dimension		82*183*573	
weight		5KG	
safety		CE	

*1   The voltage/current input is no less than 10% FS
*2   The scope of read-back resistance is:
1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)

*3   The voltage/current input is no less than 10% FS
*4   Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5   Minimum rise time: 10%-90% current rise time

Model		IT8733P	
Rated value (0 40℃)	Input voltage	0~80V	
	Input current	0~120A	
	Input power	600W	
	Min operation voltage	0.24V/12A	2.4V/120A
CV mode	Range	0~18V	0~80V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~12A	0~120A
	Resolution	1mA	10mA
	Accuracy	±(0.05%+0.05%FS)	±(0.1%+0.05%FS)
CR mode *1	Range	0.05Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S *2	0.01%+0.0008S
CP mode *3	Range	600W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode		CC mode	
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS±100ppm	
	Rising/falling slope *4	0.001~0.25A/uS	0.01~2.5A/uS
	Min Rising time *5	≒35uS	≒35uS
Measuring range			
Readback voltage	Range	0~18V	0~80V
	Resolution	0.1 mV	1 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~12A	0~120A
	Resolution	0. 1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	600W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			
OPP		≒610W	
OCP		≒13.2A	≒132A
OVP		≒82V	
OTP		≒85℃	
Specification			
Short-circuit	Current CC	≒13.2/12A	≒132/120A
	Voltage CV	0V	
	Resistance CR	≒20mΩ	
Input impedance		300KΩ	
dimension		82*183*573	
weight		5KG	
safety		CE	

*1 The voltage/current input is no less than 10% FS
*2 The scope of read-back resistance is:
  1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)
*3 The voltage/current input is no less than 10% FS
*4 Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5 Minimum rise time: 10%-90% current rise time

Model		IT8722BP	
Rated value **(0 40 ℃)**	Input voltage	0~500V	
	Input current	0~15A	
	Input power	250W *1	
	Min operation voltage	0.8V/3A	4.0V/15A
CV mode	Range	0.1~50V	0.1~500V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CC mode	Range	0~3A	0~15A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode ***2**	Range	0.3Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S *3	0.01%+0.0008S
CP mode ***5**	Range	250W *4	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode		CC mode	
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS±100ppm	
	Rising/falling slope ***6**	0.0001~0.1A/uS	0.001~0.5A/uS
	Min Rising time ***7**	≒20uS	≒20uS
Measuring range			
Readback voltage	Range	0~50V	0~500V
	Resolution	1 mV	10 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~3A	0~15A
	Resolution	0. 01mA	0.1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	250W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			
OPP		≒260W	
OCP		≒3.3A	≒16.5A
OVP		≒530V	
OTP		≒85℃	
Specification			
Short-circuit	Current CC	≒3.3/3A	≒16.5/15A
	Voltage CV	0V	
	Resistance CR	≒260mΩ	

Input impedance	≒1MΩ
dimension	82*183*573
weight	5KG

*1 Dynamically allocate power. The maximum power of single channel is 250W. The total power of both channels is less than or equal to 300W. The average power of each channel is 150W.

*2 The voltage/current input is no less than 10% FS (FS= Full Scale)

*3 The scope of read-back resistance is (1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08))

*4 Dynamically allocate power. The maximum power of single channel is 250W. The total power of both channels is less than or equal to 300W.

*5 The voltage/current input is no less than 10% FS

*6 Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current

*7 Minimum rise time: 10%-90% current rise time

Model		IT8732BP	
Rated value (0 40 ℃)	Input voltage	0~500V	
	Input current	0~20A	
	Input power	300W	
	Min operation voltage	0.72V/3A	4.8V/20A
CV mode	Range	0~18V	0~500V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~3A	0~20A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode *1	Range	0.25Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S *2	0.01%+0.0008S
CP mode *3	Range	300W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode		CC mode	
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS±100ppm	
	Rising/falling slope *4	0.0001~0.1A/uS	0.001~0.8A/uS
	Min Rising time *5	≒20uS	≒20uS
Measuring range			
Readback voltage	Range	0~18V	0~500V
	Resolution	1 mV	10 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~3A	0~20A
	Resolution	0. 01mA	0.1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	300W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			
OPP		≒310W	
OCP		≒3.3A	≒22A
OVP		≒530V	

OTP	≒85℃	
Specification		
Short-circuit	Current CC	≒3.3/3A	≒22/20A
	Voltage CV	0V	
	Resistance CR	≒240mΩ	
Input impedance	1MΩ	
dimension	82*183*573	
weight	5KG	
safety	CE	

*1 The voltage/current input is no less than 10% FS
*2 The scope of read-back resistance is:
    1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)
*3 The voltage/current input is no less than 10% FS
*4 Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5 Minimum rise time: 10%-90% current rise time

Model		**IT8733BP**	
Rated value **(0 40 ℃)**	Input voltage	0~500V	
	Input current	0~30A	
	Input power	500W	
	Min operation voltage	0.54V/3A	5.4V/30A
CV mode	Range	0~18V	0~500V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)
CC mode	Range	0~3A	0~30A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode ***1**	Range	0.2Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S ***2**	0.01%+0.0008S
CP mode ***3**	Range	500W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Dynamic mode			
Dynamic mode	CC mode		
	T1 T2	20uS~3600S/Res:1uS	
	Accuracy	5uS±100ppm	
	Rising/falling slope *4	0.0001~0.08A/uS	0.001~0.8A/uS
	Min Rising time *5	≒25uS	≒25uS
Measuring range			
Readback voltage	Range	0~18V	0~500V
	Resolution	1 mV	10 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	Range	0~3A	0~30A
	Resolution	0. 01mA	0.1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	500W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			

OPP	≒510W		
OCP	≒3.3A		≒33A
OVP	≒530V		
OTP	≒85℃		
Specification			
Short-circuit	Current CC	≒3.3/3A	≒33/30A
	Voltage CV	0V	
	Resistance CR	≒180mΩ	
Input impedance	1MΩ		
dimension	82*183*573		
weight	5KG		
safety	CE		

*1   The voltage/current input is no less than 10% FS
*2   The scope of read-back resistance is:
   1/(1/R+(1/R)*0.01%+0.08),1/(1/R-(1/R)*0.01%-0.08)
*3   The voltage/current input is no less than 10% FS
*4   Ascending/descending slope: 10%-90% current ascending slope from 0 to maximum current
*5   Minimum rise time: 10%-90% current rise time

* The above specifications may be subject to change without prior notice.

5.2 Supplementary characteristics

Storage capacity: 101 sets

Suggested calibration frequency: one time each year.

Cooling style: fan.

Fans control temperature:

Temperature	35°C	50°C	70°C	85°C
Fans status	The first grade	The second grade	The third grade	OTP